

SAKHAROVA, M.M., kand. med. nauk; EL'KINA, E.B.

Results of conducting preventive screenings for glaucoma in
Groznyy in 1962. Sbor. nauch. trud. SOGMI no.14:65-67 '63.
(MIRA 18:9)

1. Glaznoye otdeleniye Respublikanskoy bol'nitsy Checheno-
Ingushskoy ASSR, Groznyy.

EL'KINA, YE. I.

ca

10

Heterocyclic ketones. M. M. Shemyakin and E. I. El'kina, *J. Gen. Chem.* (U. S. S. R.) 11, 340-52 (1941).
N-Methyl-2-pyridone (I) reacts easily in cold Et₂O with (COCl)₂ to give 2,2-dichloro-*N*-methyl-2-pyridone (II), which is very hygroscopic and easily regenerates I with H₂O. II reacts with H₂NCHMe(CH₃)₂NEt₃ to give (4-diethylamino-1-methylbutylimino)-*N*-methyl-2-pyridone, whose *AsCl*₃-HCl salt, m. 128-9°. Similarly, II and *p*-NH₂C₆H₄SO₂NH₂ give the amide of (*p*-sulfophenylimino)-*N*-methyl-2-pyridone, m. 245-6°; *AsCl*₃-HCl salt, m. 177-8°. With H₂O this regenerates I. The dichlorides cannot be isolated in this way from ketones in which no group is substituted on the ring N. H. M. Leicester

Lab. Org. Chem., All-Union Inst. Exptl. Med.-chem. Gov. King
 Moscow Tech. Inst.

ASB-5LA METALLURGICAL LITERATURE CLASSIFICATION

[illegible]

EL'KINA, E. I.

EL'KINA, E.I.; KAN, A.M.; YAKHONTOVA, L.F.

~~Recovery and purification of antibiotics of the tetracycline series.~~

Report No.1. Med.prom. 11 no.11:6-11 N '57.

(MIRA 11:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy instituta antibiotikov
(AURBOMYCIN) (TERRAMYCIN)

SAMSONOV, G.V., EL'KINA, E.I., EL'KIN, G.E., KAN, A.M. (Leningrad)

Studies on the process of sorption and purification of oxytetracycline
with the aid of ion-exchange resins. [with summary in English].

Antibiotiki, 3 no.3:30-35 My-Je '58

(MIRA 11:7)

(OXYTETRACYCLINE, preparation of
sorption & purification with ion-exchange resins (Rus))
(ION EXCHANGE RESINS,
sorption & purification of oxytetracycline (Rus))

EL'KINA, E.I.; GORDINA, Z.V.; GHEBENEVA, Z.F.; v rabote prinimali uchastiye;
YAKOVLEVA, G.V.; SHCHERBININA, L.G.

Production and purification of antibiotics of the tetracycline
series. Report no.2: Mad.prom. 13 no.1:10-14 Ja '59.

(MIRA 12:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(TETRACYCLINE)

TEBYAKINA, A.Ye.; INOZENTSEVA, I.I.; EL'KINA, E.I.; SEMICH, A.I.;
BUYANOVSKAYA, I.S.; DRUZHININA, Ye.N.

Tetracycline salts of phenoxymethylpenicillin. Antibiotiki 7 no.2:
109-112 F '62. (MIRA 15:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(PENICILLIN) (TETRACYCLINE)

VAYKHANSKIY, S.S.; EL'KINA, G.B.

Use of petrolatum in the manufacture of bituminized bag paper.
Bum.prom. 36 no.4:21 Ap '61. (MIRA 14:5)

1. Novo-Lyalinskiy tsellyulozno-bumazhnyy kombinat.
(Paper)

SHMELEVA, Mariya Ivanovna, kand. med. nauk; EL'KINA, Klavdiya
Nikiforovna, metodist lechebnoy fizkul'tury; POPOVA,
G.F., red.; KOKIN, N.M., tekhn. red.

[Exercise therapy for children who have had osteo-
articular tuberculosis] Lechebnaia fizkul'tura dlia
detei, perenesshikh kostnyi tuberkulez. Moskva, Medgiz,
1963. 63 p. (MIRA 17:1)



SHAPIRO, N.I.; EL'KINA, O.A.

Production of a preparation of highly purified diphtheria anatoxin and its characteristics. Report No. 3: Immunological activity of highly purified diphtheria anatoxin. Zhur.mikrobiol.epid.i immun. 33 no.5:14-18 My '62. (MIRA 15:8)

1. Iz Leningradskogo instituta vaktsin i syvorotok.
(DIPHTHERIA) (TOXINS AND ANTITOXINS)

EL KINA, S.I.									
Determination of small quantities of bromine and bro- mide in the presence of one another. M. A. Potinov and S. I. El'kina, Zhuravskaya Lab. II, 337-3(1915). The app. used consists of a rheostat with a movable contact, a millivoltmeter, a galvanometer, a Pt electrode, a said. calomel electrode, and a mixer. When aniline reacts with free Br at pH 1.4-2.2, the end point of the reaction is at NIO mv. To titrate the free Br in the sample, set the app. at 8V mv. and titrate 100 ml. of the soln. with a 0.01 N soln. of aniline in dil. H ₂ SO ₄ . Near the close of the elec- trometric titration, the galvanometer needle slowly moves toward the zero point, which it reaches when the bromina- tion is complete. Now, by means of the rheostat set the app. at 90v mv. (for 18°), change the direction of the current, add 5 ml. of 20% H ₂ SO ₄ and 20 g. NaCl. Titrate rapidly with 0.01 N NaCIO soln. Run a blank titration with the reagents. W. R. Henn									
A.S.B.-S.L.A METALLURGICAL LITERATURE CLASSIFICATION									

EL-KINA, S.I. 7

Determination of bromine, bromide, and bromate in the presence of one another. H. A. Portnov and S. I. Khina. *Zashchita* (ab. 13, 411-13/1947). When Br^- , Br^+ , and BrO_3^- are present in a neutral soln., it must be remembered that the Br^- and BrO_3^- will react and liberate Br as soon as acid is added. It is best, therefore, first to det. the free Br , which can be done potentiometrically by setting the instrument at 830 mv. and titrating with 0.01 N aniline sulfate soln. standardized against Br water. Then set the instrument at 800 mv., reverse the poles, add an excess of 0.01 N SnCl_2 + 20 g. NaCl + 5 ml. of 20% H_2SO_4 , and titrate the excess Sn^{++} with 0.01 N KBrO_3 . In both titrations, the galvanometer shows a zero reading at the end point. Finally the Br^- now present in the soln. can be titrated with 0.01 N NaOCl soln. This procedure is a modification of the method of Zintl and Wattenberg (C.A. 17, 702) for the analysis of an aq. soln. contg. Br and Br^- . A special Russian titration app. was used which was described by P. and E. in a previous paper (C.A. 40, 2414). The procedure was tested and found fairly satisfactory at Russian plants making Br . R. V. Allen

ADD-51A METALLURGICAL LITERATURE CLASSIFICATION

Rapid method for determining fluorine. M. A. Portnov
and S. I. El'kina, *Zashchita Lab.* 13, 823-4(1947).—
The potentiometric titration previously described (C.A.
60, 24147) can be used for detg. small quantities of F in
sol. fluorides. The soln. should be neutral to methyl
orange and should be dild. to contain 40-1200 mg. F per l.
To 80 ml. of the soln. add 80 ml. EtOH, 3 drops of 0.1
M K₂Fe(CN)₆, and the proper amt. of KCe(Fe(CN)₆)₂
suspension (prep'd. by mixing equiv. amts. of Ce(NO₃)₃
and K₂Fe(CN)₆ and decanting) so that the titrated soln.
will contain the solid phase of the suspension. With Pt
and s.d. calomel electrodes, set the instrument at 150
mv. and add standardized Ce(NO₃)₃ soln. until the pointer
of the galvanometer reaches zero. Titration should be
made at room temp. H. Z. Kamsh

USSR

The catalytic action of mineral admixture in the reaction for the formation of carbon disulfide from the elements. L. Va. Markovskii, Z. N. Mazur, and S. I. El'kina (State Inst. Appl. Chem., Leningrad). *Doklady Akad. Nauk S.S.S.R.* 96, 1071-4 (1953); cf. *C.A.* 37, 831¹ 41 3932a. The effect of adding mineral admixts. (particularly alk. salts) on the rate of the reaction $C + S_{(vap)} \rightarrow CS_2$ was detd. by the method described earlier. The expts. were made at 900 and 1000° with an acidn. rate for the S of 1.14 g./min. and with C of various types. The strong catalytic action of Na_2CO_3 and $AgNO_3$ was verified. The catalytic action of the alk. salts is attributed to their ability to form topochem. compds. with the graphite lattice. J. R. L.

EL'KINA, T. P.

137-58-2-3424

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 2, p 163 (USSR)

AUTHORS: *El'kina, T. P.*, Gavranek, V. V., Sevruk, B. A., Volobuyev, I. V.

TITLE: Isothermic and Interrupted Quench of Parts Undergoing Gas Cyaniding (Primeneniye izotermicheskoy i stupenchatoy zakalki k detal'yam, proshedshim gazovoye tsianirovaniye)

PERIODICAL: Tr. Khar'kovsk. politekhnich. in-ta, 1957, Vol 11, pp 79-81

ABSTRACT: The object of the work was to employ isothermic (I) and interrupted quench (S) to eliminate rejects due to changes in the dimensions of a tractor starter-dog arm made of Nr 20 steel. A bath of the following composition was employed for I and S: 45 percent NaNO_2 and 55 percent KNO_3 , with an m. p. of about 150°C . Eighteen different regimes were tested to select the I and S regime. The results of the quench are adduced as to hardness, warping, and microstructure. It was found that the S of cyanided parts (and the I of martensite) provides them with the required degree of hardness and diminishes warping to tolerable levels. The proposed S for a cyaniding regime is a) gas cyaniding at $850 \pm 10^\circ$; b) immediate quench in a salt bath at $210 \pm 10^\circ$ and holding there for 10-15 min, followed by cooling in water or oil. A. B.

Card 1/1

1. Steel--Hardening 2. Steel--Heat treatment

S/123/62/000/016/006/013
A004/A101

AUTHORS: Shkuratov, F. I., El'kina, T. P., Narkinskaya, M. Ye.

TITLE: Investigating the conditions of high-temperature cementation of the 18 XTT (18KhGT) and 20 XH3A (20KhNZA) steel grades in solid carburizing agents

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 16, 1962, 23, abstract 16B127 ("Tr. Donetsk. politekhn. in-ta", 1961, v. 56, 103 - 114) ✓

TEXT: The authors report on the results of laboratory tests of the conditions of high-temperature cementation (up to 1,000°C) of the 18KhGT and 20KhNZA steel grades in a solid carburizing agent consisting of charcoal with additions of BaCO_3 , CaCO_3 and NaCO_3 carbonates. The cementation was carried out under the following conditions: 920°C - 12 hours, 960°C - 7 hours and 1,000°C - 4.5 hours, with subsequent cooling of the specimens and witness samples in cases. The tests showed that an increase of the cementation temperature from 920 to 1,000°C somewhat increases the strength and lowers the ductility of cemented 18KhGT and 20KhNZA steel specimens subjected to final heat treatment (hardening at 840 and 810°C respectively)

Card 1/2

Investigating the conditions of...

3/123/62/000/016/006/013
A004/A101

and tempering at 200°C), which can be explained by the higher C-content in the hypereutectoid layer of the 20KhNZA steel specimens and by an increase in the width of the eutectoid and transition layer in the 18KhOT specimens (a consequence of the increased carbon diffusion rates at higher cementation temperatures). The microstructure of the cemented layer and core of the tested steels after final heat treatment was about the same, independent of the cementation temperature up to 1,000°C. The application of high-temperature cementation (1,000°C) permits the reduction of the duration of the cementation process by a factor of 2 - 3, the increase in the efficiency of heat-treatment shops and the cut of the cost price of the manufactured products without deteriorating the steel quality.

D. Litvinenko

[Abstracter's note: Complete translation]

ord 2/2

BRAUN, M.P., doktor tekhn.nauk; VINOKUR, B.B., inzh.; SEVRUK, B.A., inzh.;
EL'KINA, T.P., inzh.; BOKOL, A.N., kand.tekhn.nauk; ZALETSKIY, G.I.,
kand.tekhn.nauk; MIROVSKIY, E.I., inzh.

Replacing the chrome-nickel steel 20KhNZA with the carburizing steel
20KhGSVT. Mashinostroenie no.3:58-62 My-Je '62. (MIRA 15:7)
(Steel alloys--Testing)

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412020018-3

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412020018-3"

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APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412020018-3"

L 29380-66 EWT(m)/EWP(t)/ETI IJP(c) JD

ACC NR: AP6019795

SOURCE CODE: UR/0286/65/000/004/0032/0032

INVENTOR: Braun, M. P.; Mirovskiy, E. I.; Sevruk, B. A.; Samchenko, V. G.;
El'kina, T. P.

20
B

ORG: none

TITLE: Non-nickel structural steel / Class 18, No 168321

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 4, 1965, 32

TOPIC TAGS: structural steel, metal property

ABSTRACT: A non-nickel structural steel with increased physical and mechanical properties is proposed which contains: 0.18-0.24% C, 0.8-1.0% Si, 0.8-1.2% Mn, 0.04% (max) P, 0.04% (max) S, 0.8-1.2% Cr, 0.04-0.06% Ti, and 0.6-0.8% W. Orig. art. has: 1 table. [JPRS]

SUB CODE: 11 / SUBM DATE: none

Cord 1/1

CC

UDC: 669.14.018.29

1. 9632-66

ENT(m)/ENH(a)/1/ENT(c)/ENT(e)/ENT(u)

NSW/JD/10

ACC NR: AP5027707

SOURCE CODE: UR/1029/65/000/011/0024/0026

AUTHOR: Braun, M. P.; Sevruk, B. A.; Mirovskiy, E. I.; Samchenko, V. G.; El'kina, T. P.

ORG: USKhA; Khar'kov Tractor Plant (Khar'kovskiy traktorny zavod)

TITLE: New 20KhGSVT case-hardenable steel

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 11, 1965, 24-26

TOPIC TAGS: case hardening, steel, transmission gear, tensile strength, carburization, tractor / 20KhGSVT steel

ABSTRACT: The article describes the newly developed 20KhGSVT case-hardenable steel (0.23% C, 1.02% Mn, 0.7% Si, 1.0% Cr, 0.9% W, 0.06% Ti) replacing the high-strength 20KhN3A and 20KhGMR chromium-nickel steels as the material of the main and side transmission gears of the T-74 tractor. 20KhGSVT steel is superior to the 20KhN3A and 20KhGMR steels in its mechanical properties (tensile strength 164 kg/mm² compared with 148 and 140 kg/mm², respectively, for the other two steels). It is more resistant to temper brittleness, owing to the presence of W and Ti. Test-rig studies of main and side transmission gears of the T-74 diesel tractor, made of 20KhGSVT steel, showed that this steel can be used to fabricate important work parts of tractors. The gears of 20KhSVT steel were case-hardened in a solid carburizer. The total time of

Card 1/2

UDC: 669.14.018.46

L 9632-66

ACC NR: AP5027707

2
case-hardening and subsequent cooling of both gear wheels was 24 hours. Following their case-hardening the gears were oil-quenched from 860°C and tempered at 220°C. On the basis of the results of laboratory and test-rig studies, 750 T-74 tractors were experimentally equipped with side-transmission gears of 20KhGSVT steel. All these tractors have been in operation for more than two years now, without a single instance of breakdown of a tractor owing to poor performance of the side-transmission gears of 20KhGSVT steel. Orig. art. has: 3 figures, 2 tables.

SUB CODE: 11, 13/ SUBM DATE: none/ ORIG REF: 000/ OTH REF: 000

yc
Card

2/2

BABAYEV, V.I., inzh.; KL'KINA, T.S., inzh.

Factors affecting the extent of settling of unsaponifiable matter
during the production of synthetic fatty acids. Masl.-zhir.prom.
25 no.5:26-28 '59. (MIRA 12:7)

1. Shebekinskiy kombinat sinteticheskikh zhirnykh kislot i zhirnykh
spirtov.

(Shebekino--Acids, Fatty) (Paraffins)
(Unsaponifiable matter)

S/081/62/000/014/033/039
B166/B144

AUTHORS: Babayev, V. I., El'kina, T. S., Kudryashov, A. I.,
Bolyanovskiy, D. M., Rusinov, I. Ye.

TITLE: Producing a polymerizate from distillation residue

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 14, 1962, 651, abstract -
14P357 (Maslob.-zhir. prom-st', no. 9, 1961, 24 - 25)

TEXT: The residue from distillation of raw synthetic fatty acids is a mixture of high-molecular fatty acids with >20 C atoms, unsaponifiable substances, and resinous condensation and polymerization products, amounting to 15 - 20% of the overall acid processed. Ca salts of vat acids were obtained on an experimental plant. The process was conducted in a N_2 flow at $240^{\circ}C$ for 35 - 45 hrs, yielding a high-melting product with a softening point of $70 - 85^{\circ}C$ through which air at $230 - 270^{\circ}C$ was then blown. Several oxidation and polymerization processes take place and a high-melting rubberlike product is formed. Lime was added in a 60 - 70% of the theoretical quantity required to neutralize the distilled acids, since otherwise the reaction mass hardens and becomes brittle. ✓

Card 1/2

Producing a polymerizate...

S/081/62/000/014/033/039

B166/B144

The polymerizate obtained shows a black, varnish-like surface; it has binding properties and resilience, it dissolves readily in organic solvents, it is water-, heat- and light-resistant and offers good adhesion to wood, glass, iron, and concrete. The product can be used as a filler for rubber blends in the production of water- and heat-insulating and facing materials, for insulating gas pipelines and in the production of reclaimed rubber. [Abstracter's note: Complete translation]

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Card 2/2

BABAYEV, V.I., inzh.; EL'KINA, T.S., inzh.; BESEDINA, K.G., inzh.

Determining the amount of gasoline and alcohol in water-and-alcohol solutions of the alkyl sulfates of secondary schools.
Masl.-zhir.prom. 28 no.12:28-29 D '62. (MIRA 16:1)

1. Shebekinskiy kombinat sinteticheskikh zhirnykh kislot i zhirnykh spirtov.
(Oils and fats) (Alcohols) (Gasoline)

EL'KINA, T.S., inzh.; BABAYEV, V.I., inzh.; BESEDINA, K.G., inzh.

Obtaining methyl(ethyl) esters of fatty acids in the presence of
trivalent iron sulfate. Masl.-zhir.prom. 29 no.7:26-27 JI '63.
(MIRA 16:9)

1. Shebekinskiy kombinat sinteticheskikh zhirnykh kislot i
zhirnykh spirtov.

(Iron sulfates) (Acids, Fatty)

BABAYEV, V.I., inzh.; EL'KINA, T.S., inzh.; BESEDINA, K.G., inzh.

Esterification of synthetic fatty acids by methanol in presence of
sulfuric acid. Report No.2. Masl.-zhir.prom. 30 no.2:33-34 F
'64. (MIRA 17:3)

1. Shebekinskiy khimicheskiy kombinat.

BABAYEV, V.I.; EL'KINA, T.S.; RUSINOV, I.Ye.; BESEDINA, K.G.

Using still bottoms in the production of synthetic fatty acids
from paraffin. Nefteper. i neftekhim. no.5:8-13 '65.

(MIRA 18:7)

1. Shchebekinskiy khimicheskiy kombinat.

EL'KINA, Yu.A.; MIRENBURG, Ye.G.; FILIPPOVICH, A.N., professor, zaveduyushchiy.

Immunologic aspects of dysentery in infants. Vop.pediat. 21 no.4:18-21 J1-Ag
'53. (MLRA 6:10)

1. Kafedra infektsionnykh bolezney Minskogo gosudarstvennogo meditsinskogo

EXCERPTA MEDICA Sec 6 Vol 13/11 Internal Med. Nov 59

6354. INFLUENCE OF SYNTOMYCIN ON THE ASCORBIC ACID CONTENTS OF THE BLOOD AND URINE IN TYPHOID FEVER AND DYSENTERY (Russian text) - Elkina Yu. A. Chair of Infect. Dis., Chair of Biochem., Minsk Med. Inst., Minsk, USSR - ZDRAVOOKHR. BELOR. 1958, 4/7 (35-38) Tables 2

In the early stages of typhoid fever and dysentery, a drastic vit. C depletion was recorded, as shown by the low values of ascorbic acid in the blood plasma and urine. The decrease in vit. C is due to febrile reactions, and depends on the duration of the disease. Subsequent increase in ascorbic acid is accompanied by some increase in the phagocytic activity of the leucocytes. In spite of daily administration of 400-600 mg. ascorbic acid to dysentery and typhoid patients, normal values were not reached during early stages of recovery.

Anigstein - Galveston, Tex. (L. 6)

EL'KINA, Yu.A.; SOLOSHCHEVA, V.M.; RAKHMANCHIK, G.I.

Colenteritis in young children. Zdrav.Belor. 5 no.8:144-47
Ag '59. (MIRA 12:10)

1. Iz kafedr infektsionnykh bolezney Minskogo meditsinskogo
instituta (zaveduyushchiy - prof.A.N.Filippovich), Belorusskogo
instituta usovershenstvovaniya vrachey (zaveduyushchiy - dotsent
N.V.Bondareva) i Minskogo Instituta epidemiologii, mikrobiologii
i gigiyeny (direktor V.I.Votyakov).
(ESCHERICHIA COLI) (INTESTINES--DISEASES)

FILIPPOVICH, A.N., prof.; EL'KINA, Yu.A., kand.meditsinskikh nauk

Use of cortisone and ACTH in the treatment of infectious diseases
in childhood. Zdrav. Belor. 6 no. 5:12-16 My '60.

(MIRA 13:10)

1. Iz kafedry infektsionnykh bolezney (zaveduyushchiy - chlen-
korrespondent AMN SSSR prof. A.N. Filippovich) Minskogo meditsinskogo
instituta.

(ACTH) (CORTISONE) (CHILDREN--DISEASES)

EL'KINA, Yu.A.

Eosinopenic reactions in diphtheria. Vop. okh. mat. i det. 6
no. 2:22-24 F '61. (MIRA 14:2)

1. Iz kafedry infektsionnykh bolezney (zav. - prof. A.N.
Filippovich) Minskogo meditsinskogo instituta,
(DIPHTHERIA) (EOSINOPHILES) (ACTH)

EL'KINA, Yu.A.; RUSANOVA, Z.K.; SAVITSKAYA, Ye.A.

Pancreatic function in epidemic parotitis. Zdrav. Bel. 7
no. 4:51-53 Ap '61. (MIRA 14:4)

1. Iz kafedry infektsionnykh bolezney (zaveduyushchiy - chlen-
korrespondent AMN SSSR professor A.N. Filippovich) Minskogo
meditsinskogo instituta.
(MUMPS) (PANCREAS)

BONDAREVA, N.V.; EL'KINA, Yu.A. (Minsk)

Ulcerative colitis; survey of foreign literature. Klin.med. 39
no.2:17-23 P '61. (MIRA 14:3)

1. Iz kafedry infektsionnykh bolezney (i.o. zav. - dotsent N.V.
Bondreva) Belorusskogo instituta usovershenstvovaniya vrachey
i kafedry infektsionnykh bolezney (zav. - prof. A.N. Filippovich)
Minskogo meditsinskogo instituta.
(COLITIS)

FILIPPOVICH, A.N. [deceased]; EL'KINA, Yu.A.; VASILENOK, G.P.

Hypertoxic diphtheria, concluding with the recovery of the patient.
Zdrav.Bel. 8 no.5:53-54 My '62. (MIRA 15:10)

1. Iz kafedry infektsionnykh bolezney (zav. - chlen-korrespondent
AMN SSSR A.N.Filippovich [deceased] Minskogo meditsinskogo
instituta i Minskoy infektsionnoy klinicheskoy bol'nitsy (glavnyy
vrach Z.G.Alikina).

(DIPHTHERIA)

FILIPPOVICH, A.N., prof. [deceased]; EL'KINA, Yu.A.; ALIKINA, Z.G.;
KAPLAN, TS.A.

Bacterial carriers among diphtheria reconvalescents. Zdrav.
Bel. 9 no.3:20-22 M^r'63 (MIRA 16:12)

1. Iz kafedry infektsionnykh bolezney Minskogo meditsinskogo
instituta i infektsionnoy klinicheskoy bol'nitsy.

EL'KINA, Yu.A., kand. med. nauk

Problem of the use of hormonal preparations in toxic diphtheria.
Vop. okh. mat. i det. 8 no.7:19-22 Ji '63.

(MIRA 17:2)

1. Iz kafedry infektsionnykh bolezney (zav.- chlen-korrespondent
AMN SSSR A.N. Filippovich [deceased]) Minskogo meditsinskogo
instituta.

EL'KINBARD, G.

Improving the planning of ship repair enterprises. Mor. flot 23
no.5:30-31 '63. (MIRA 16:9)

1. Glavnyy spetsialist otdela sudoremonta Gosudarstvennogo
instituta po proyektirovaniya morskikh portov i sudoremontnykh
predpriyatiy.

(Ships--Maintenance and repair)

ZABLOTSKIY, P.F.; KALANTAROV, K.D.; LYASS, F.M.; EL'KIND, E.Yu.;
FALILEYEVA, Ye.P.

Method for gamma-topography (scanning) in clinical diseases of the
thyroid gland. Med.rad. no.11:35-40 '61. (MIRA 14:11)

1. Iz Vsesoyuznogo nauchno-issledovatel'skogo instituta meditsin-
skogo instrumentariya i oborudovaniya, Instituta neyrokhirurgii ime-
ni akad N.N. Burdenko AMN SSSR i Gosudarstvennogo onkologicheskogo
instituta imeni P.A. Gertsena.

(THYROID GLAND--DISEASES) (AUTORADIOGRAPHY)

EL'KIND, E. Yu.

Technical methods of radiometry in radiodiagnosis. Nov.med.
tekh. no.4:38-51'61. (MIRA 16:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsin-
skikh instrumentov i oborudovaniya.
(RADIOMETRY) (DIAGNOSIS, RADIOSCOPIC)

EL'KIND, E.Yu.

Method and apparatus for radioisotope scanning. Nov. med. tekhn.
no.2:58-67 '62. (MIRA 17:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskikh
instrumentov i oborudovaniya.

BEREZHNOY, A.I.; BRODSKIY, Yu.A.; BRONSHTEYN, Z.I.; VEYNBERG, K.L.;
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GUREVICH, L.R.; DAUVAL'TER, A.N.; YEGOROVA, L.S.; KOTLYAR,
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S.I., kand. tekhn. nauk, dots.; SOLOMIN, N.V.; TENKIN, B.S.;
TYKACHINSKIY, I.D.; SHIGAYEVA, V.F.; SHLAIN, I.B.; EL'KIND,
G.A. [deceased]; KITAYGORODSKIY, I.I., zasl. deyatel' nauki i
tekhniki RSFSR, doktor tekhn. nauk, prof., red.; GOMOZOVA,
N.A., red.izd-va; KOMAROVSKAYA, L.A., tekhn. red.

[Handbook on glass manufacture] Spravochnik po proizvodstvu
stekla. [By] A.I.Berezhnoi i dr. Pod red. I.I.Kitaigorodskogo
i S.I.Sil'vestrovicha. Moskva, Gosstroizdat. Vol.2. 1963.
815 p.

(MIRA 16:12)

(Glass manufacture)

EL'KIND, I.A.

BEYLINA, TS.O., inzhener; BLAGONADEZHDIN, V.Ye., inzhener; BOGUSLAVSKIY, P.Ye., kandidat tekhnicheskikh nauk; VORONKOV, I.M., professor, GITINA, L.Ya., inzhener; GROMAN, M.B., inzhener; GOROKHOV, N.Y., doktor tekhnicheskikh nauk [deceased]; DENISYUK, I.N., kandidat tekhnicheskikh nauk; DOVZHIK, S.A., kandidat tekhnicheskikh nauk; DUKEL'SKIY, M.P., professor, doktor khimicheskikh nauk [deceased]; DYKHOVICHNIY, A.I., professor; ZHITKOV, D.G., professor, doktor tekhnicheskikh nauk; KOZLOVSKIY, N.S., inzhener; LAKHTIN, Yu.M., doktor tekhnicheskikh nauk; LEVENSON, L.B., professor, doktor tekhnicheskikh nauk [deceased]; LEVIN, B.Z., inzhener; LIPKAN, V.F., inzhener; MARTYNOV, M.V., kandidat tekhnicheskikh nauk; MOLEVA, T.I., inzhener; NOVIKOV, F.S., kandidat tekhnicheskikh nauk; OSETSKIY, V.M., kandidat tekhnicheskikh nauk; OSTROUMOV, G.A.; PONOMARENKO, Yu.F., kandidat tekhnicheskikh nauk; RAKOVSKIY, V.S., kandidat tekhnicheskikh nauk; REGIRER, Z.L., inzhener; SOKOLOV, A.N., inzhener; SOSUNOV, G.I., kandidat tekhnicheskikh nauk; STEPANOV, V.N., professor; SHEMAKHANOV, M.M., kandidat tekhnicheskikh nauk; EL'KIND, I.A., inzhener; YANUSHEVICH, L.V., kandidat tekhnicheskikh nauk; BOKSHITSKIY, Ya.M., inzhener, redaktor; BULATOV, S.B., inzhener, redaktor; GASHINSKIY, A.G., inzhener, redaktor; GRIGORYEV, V.S., inzhener, redaktor; YEGURNOV, G.P., kandidat tekhnicheskikh nauk, redaktor; ZHARKOV, D.V., dotsent, redaktor; ZAKHAROV, Yu.G., kandidat tekhnicheskikh nauk, redaktor; KAMINSKIY, V.S., kandidat tekhnicheskikh nauk, redaktor; KOMARKOV, Ye.F., professor, redaktor; KOSTYLEV, B.N., inzhener, redaktor; POVAROV, L.S., kandidat tekhnicheskikh nauk, redaktor; ULINICH, F.R., redaktor; KLORIK'YAN, S.Kh., otvetstvennyy redaktor; GLADILIN, L.V., redaktor;

(Continued on next card)

HEYLINA, TS.O. --- (continued) Card 2.

RUPPENYIT, K.V., redaktor; TERPIGOREV, A.M., glavnyy redaktor;
BARABANOV, F.A., redaktor; BARANOV, A.I., redaktor; BUCHNEV, V.K.,
redaktor; GRAFOV, L.Ye., redaktor; DOKUKIN, A.V., redaktor; ZADEMID-
KO, A.N., redaktor; ZASYAD'KO, A.F., redaktor; KRASNIKOVSKIY, G.V.,
redaktor; LETOV, N.A., redaktor; DISHIN, G.L., redaktor; MAN'KOV-
SKIY, G.I., redaktor; MEL'NIKOV, N.V., redaktor; ONIKA, D.G.,
redaktor; OSTROVSKIY, S.B., redaktor; POKROVSKIY, N.M., redaktor;
POLSTYANOV, G.N., redaktor; SKOCHINSKIY, A.A., redaktor; SONIN,
S.D., redaktor; SPIVAKOVSKIY, A.O., redaktor; STANCHENKO, I.K.,
redaktor; SUDOPLATOV, A.P., redaktor; TOPCHIEV, A.V., redaktor;
TROYANSKIY, S.V., redaktor; SHEVYAKOV, L.D., redaktor; BYKHOV-
SKAYA, S.N., redaktor izdatel'stva; ZAZUL'SKAYA, V.F., tekhnichesk-
skiy redaktor; PROZOROVSKAYA, V.L., tekhnicheskiy redaktor.

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spravochnik. Glav.red. A.M. Terpigorev. Chleny glav.red. F.A. Bara-
banov i dr. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po ugol'noi
promysh]. Vol.1. [General engineering] Obshchie inzhenernye
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(Mining engineering) (MLRA 10:10)

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SUBBOTINA, V.P.; TANASIYCHUK, N.P.; FEDOTOV, S.D.; FISENKO, K.N.;
EL'KIND, I.G.; BOVIN, S.S.; VASIL'YEV, L.T.; DRINKOV, V.D.; DALE-
CHIN, N.I.; DADAGOV, I.A.; YERMOSHINA, V.I.; ZHUKOV, I.V.; ZIMIN,
D.A.; IVANNIKOV, A.Ya.; KOVALEV, M.K.; LUGAKOVSKIY, N.L.; NALEVSKIY,
A.F.; SEREZHNIKOV, V.K.; SEMIGLASOV, M.D.; SOKOLOV, A.V.; STEPANOV,
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CHIKINDAS, G.S.; SHCHERBUKHINA, S.N.; DYNKIN, G.Z.; LYSOV, V.S.;
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BUTYRIN, Ya.N.; VOLYNSKIY, S.A.; MINEYEV, M.F.; MAL'TSEV, V.I.;
VIDETSKIY, A.F., kand.tekhn.nauk, glavnyy red.; DEMIDOV, A.N., red.;
KRAVETS, A.L., red.; KLIMOVA, Z.I., tekhn.red.

[Industrial Astrakhan] Promyshlennaya Astrakhan'. Astrakhan',
Izd-vo gazety "Volga," 1959. 318 p. (MIRA 12:11)

1. Astrakhan (Province) Ekonomicheskiy administrativnyy rayon.
(Astrakhan Province--Economic conditions)

SERGEYEV, M.N.; YEL'CHINSKIY, A.I.; EL'KIND, I.L.; KUVAYTSEV, A.A.
SKORNYAKOV, Yu.G.

Accelerated development and methods of mining. Gor. zhur.
no. 11:24-30 N '60. (MIRA 13:10)

1. Kazgiprotavetmet, Ust'-Kamenogorsk.
(Kazakhstan--Copper mines and mining)

AUTHOR: El'kind, I. S. 68-58-7-18/27
TITLE: The Cherepovets Metallurgical Plant
(Na Cherepovetskom metallurgicheskom zavode)
PERIODICAL: Koks i Khimiya, 1958, Nr 7, p 58 (USSR)
ABSTRACT: 1) The construction of an experimental-industrial
installation for dry quenching of coke was started.
2) The building of Nr 4 battery was started and it is
expected to put it into operation in December, 1958.
1. Coke--Processing 2. Industrial Plants--Construction

Card 1/1

SOV/68-59-3-19/23

AUTHOR: Fel'kind, I. S.

TITLE: On the Cherepovets Metallurgical Works (Na cherepovatskom metallurgicheskom zavode)

PERIODICAL: Koks i Khimiya, 1959, Nr 3, p 60 (USSR)

ABSTRACT: A New battery was put into operation in December 1958.

Card 1/1

EL'KIND, L.A.

A machine is bought for 1000000. Model i zhizn' 20 no.6:50-
54 Jo '61. (MFI 14:7)

(Translating machines)

SHITANOV. T.G.; EL'KIND. L.A.

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plants of Uzbekistan. Sbor.nauch.trud.TashGMI 22:397-401 '62.
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1. Kafedra farmakologii (zav. - zasluzhennyy deyatel' nauki prof.
N.N.Kombarov) i kafedra gistologii (ispolnyayushchiy obyazannosti
zav. - L.A.El'kind) Tashkentskogo gosudarstvennogo meditsinskogo
instituta.

EL'KIND, L.A., dotsent; KRYZHENKOV, A.N., dotsent; KAMBULIN, N.A.; SULTANOV, T.G.

Morphological changes in the thyroid gland under the influence
of *Lycopus europaeus*. Sbor.nauch.trud.TashGMI 22:435-439 '62.

(MIRA 18:10)

1. Kafedra gistologii (ispolnyayushchiy obyazannosti zav. kafedroy -- dotsent L.A.El'kind); kafedra organicheskoy khimii (zav. kafedroy -- dotsent N.A.Kryzhenkov) i kafedra farmakologii (zav. kafedroy -- prof. N.N.Kompantsev) Tashkentskogo gosudarstvennogo meditsinskogo instituta.

BL'KIND, L.B.; RAKOVSKIY, V.Ye.

Ways of separating phenols, bases and hydrocarbons. Trudy Inst. torf.
AN BSSR 6:274-290 '57. (MIRA 11:7)
(Phenols)

EL'KIND, L.B.; RAKOVSKIY, V.Ye.

Methods for breaking down pyridine-phenoxide complexes from
peat oils. Trudy Inst. torf. AN BSSR 6:291-298 '57. (MIRA 11:7)
(Pyridine) (Phenoxides)

EL'KIND, L.B.; RAKOVSKIY, V.Ye.

Properties of nitrogen bases separated by various methods. Trudy
Inst. torf. AN BSSR 6:299-311 '57. (MIRA 11:7)
(Tar) (Nitrogen compounds)

EL'KIND, L.B., Cand Tech Sci -- (diss) "Technology
of the ~~distribution~~ of phenols, bases, and neutral
oils of primary tars." Minsk, 1958, 16 pp (Acad
Sci Belorussian SSR. Department of Phys Math and
Tech Sci) 100 copies (KL, 29-58, 133-4)

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EL'KIND, L., inzh.

Magnetohydrodynamic generator. IUn.tekh. 5 no.1:17-20 Ja '61.
(MIRA 14:5)
(Magnetohydrodynamics)

RAKOVSKIY, V.Ye.; KOTKOVSKIY, A.P.; MAL', S.A.; EL'KIND, L.B.;
DROZHALINA, N.D.; BARANCHIKOVA, M.I.; VOLGSOVICH, N.S.

Separation of phenols in a continuous distillation of peat tar.
Trudy Inst. torfa AN BSSR 7:187-197 '59. (MIRA 14:1)
(Peat) (Distillation, Fractional) (Phenols)

ELKIND, L., inzh.

The plasma works; magneto-hydrodynamic generator. Nauka i tekhnika no.10:8-9 '61.

(Hydrodynamics)

EL'KIND, M.F.
NESMEYANOV, An.N.; SAVICH, I.A.; EL'KIND, M.F.; KORYAZHKIN, V.A.

Determining the solubility of molybdates of alkaline earth metals
by means of tagged atoms. Vest.Mosk.un. Ser.mat.,mekh.,astron.,
fiz.,khim.11 no.1:221-224 '56. (MIRA 10:12)

1. Kafedra neorganicheskoy khimii Moskovskogo universiteta.
(Solubility) (Molybdates) (Radioisotopes)

EL'KIND, P.

Spectrum of generators. IUn. tekhn. 5 no. 11:36-39 N '60.

(MIRA 13:12)

(Electric generators)

MARISOVA, A.P.; KARNITSKAYA, N.V.; KONDRATENKO, V.I.; VOLCHANSKAYA, M.A.;
PRIYMA, N.I.; SHOVKUN, A.G.; MOSKALENKO, Ye.P.; MUZYKOVA, N.F.;
EL'KIND, R.A.

Study of the reactogenic properties and epidemiological effectiveness
of the whooping cough-diphtheria vaccine in Rostov-on-Don. Zhur.
mikrobiol., epid. i immun. 32 no 12:8-12 D '61. (MIRA 15:11)

1. Iz Rostovskogo instituta epidemiologii, mikrobiologii i gigiyeny.
(ROSTOV-ON-DON—WHOOPING COUGH—PREVENTIVE INOCUALTION)
(ROSTOV-ON-DON—DIPHTHERIA—PREVENTIVE INOCULATION)

BANASHEK, Ye.I.; RUBINCHIK, S.M.; SOKOLOV, V.A.; EL'KIND, S.A.

System for thermostatic control of a furnace up to 1,400° C. Prib.
i tekhn.eksp. no.2:156-158 M₁-Ap '60. (MIRA 13:7)

1. Institut obshchey i neorganicheskoy khimii AN SSSR.
(Thermostat)

SHTEYNHLEYGER, V.B.[translator]; EL'KIND, S.A. [translator]; POPOV, R.Yu.,
red.; DZHATIYEVA, F.Kh., tekhn. red.

[Quantum paramagnetic amplifiers] Kvantovye paramagnitnye usiliteli;
sbornik statei. Moskva, Izd-vo inostr.lit-ry, 1961. 287 p.

(MIRA 14:12)

(Paramagnetic amplifiers)

AMARANTOV, V.N.; BRUSILOVSKIY, K.A.; YEMEL'YANOV, G.A.; EL'KIND, S.Yu.

Telegraph distortion analyzer. Elektrosviaz' 15 no.10:59-66
0 '61. (MIRA 14:10)

(Telegraph--Equipment and supplies)

EL'KIND, S. Yu.

ACCESSION NR: AP3000470

8/0103/63/024/005/0675/0682

AUTHOR: Brusilovskiy, K. A. (Leningrad); El'kind, S. Yu. (Leningrad)

TITLE: Transistorized contactless relay

SOURCE: Avtomatika i telemekhanika, v. 24, no. 5, 1963, 675-682

TOPIC TAGS: transistorized relay, transmission of binary pulses, relay operation and characteristics

ABSTRACT: The schematic diagram of a transistorized contactless relay with a reversible output signal is shown in Fig. 1 of Enclosure. In order to reduce the overall size of the relay, two controlled-relaxation oscillators with transformer feedback are used in the control circuit. Each uses one transistor (1 and 2 of the illustration) and represents a single-cycle d-c voltage converter operating at a frequency of 100 cps. At this frequency the oscillator output pulses modulated by the control signals can control commutating transistors directly without rectifying and smoothing. The input voltages (7 and 8) are shifted in phase by 180° and are applied to

Card 1/4

ACCESSION NR: AP3000470

the inputs of transistors 1 and 2 through the dividers (9-10, 11-12). In the absence of control voltage the corresponding oscillator is blocked by a bias (13). When transistor 1 is in operation, transistor 3 and transistor 4 are open, while transistor 5 and transistor 6 are blocked, and vice-versa. Temperature compensation is insured by the positive bias applied to the bases of the commutating transistors from the germanium diodes (14 through 17). The relay described has been utilized in equipment used for transmitting and measuring binary pulses at high velocities, e.g., in the contactless pickup of a telegraphic distortion meter. The life of a contactless relay is much longer than that of an electromagnetic relay. It does not require periodic adjustments and is stable in respect to mechanical and climatic effects. It operates virtually without distortion at velocities corresponding to several thousand operations per second. The "operation" and "release" time of the relay does not exceed 10 to 20 microsec. Orig. art. has: 11 formulas and 5 figures.

ASSOCIATION: none

Card 2/4

ACCESSION NR: AP3000470

SUBMITTED: 07Jul62 DATE ACQ: 18Jun63 ENCL: 01

SUB CODE: 00 NO REF SOV: 010 OTHER: 000

Card 3/4

ACCESSION NR: AP3000470

ENCLOSURE: 01

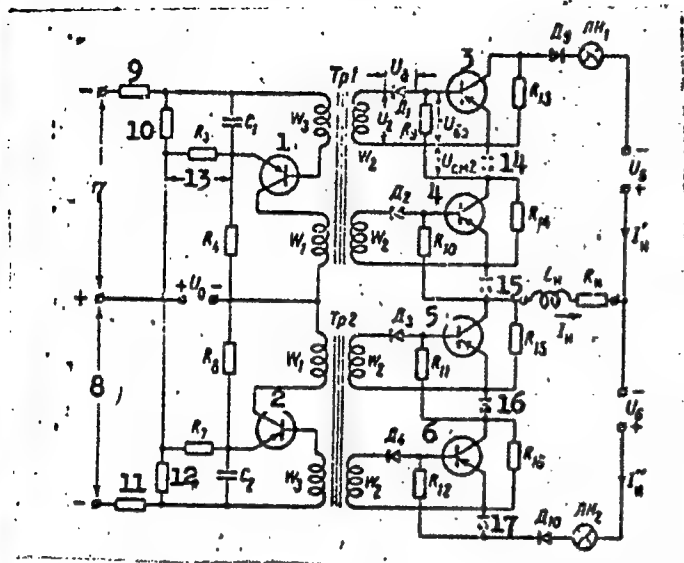


Fig. 1. Transistorized contactless relay with reversible output signal

1-6 - transistor; 7,8 - input voltages; 9-12 - dividers; 13 - bias; 14-17 - germanium diodes.

Card 4/4

EL'KIND, V. G.

Cand. Med. Sci.

"Angina (Tonsillitis)," Fel'dsher i Akusher, No.11, 1948

EL'KIMB, V. G.

Cand. Med. Sci.

"Ňzena, or Head Cold with Offensive Odor," Fel'dsher i Akusher, No.3, 1949

EL'KIND, V. G.

EL'KIND, V.G., kandidat meditsinskikh nauk (Moskva)

Method of treatment of angina phlegmonosa (peritonsillar abscess)

Vest. oto-rin. 16 no.4:61-62 J1-Ag '54.

(MLRA 7:8)

(TONSILS, abscess,

*peritonsillar, ther.)

(ABSCESS,

*peritonsillar, ther.)

EL'KIND, YU. M.
EL'KIND, YU. M.

PA 55/49T35

USSR/Electricity
Frequency Meters
Electrical Equipment

May 49

"Resonating Detector-Type Frequency Meter," Yu. M.
El'kind, Cand Tech Sci, 4 pp

"Elektrichestvo" No 5

Describes a detector type frequency meter developed
by Cen Sci Res Elec Eng Lab. Reviews early develop-
ments in frequency meters. Compares latest detector
type with those used at present in USSR and other
countries. Submitted 18 Nov 48.

55/49T35

PA 153T38

EL'KIND, YU. M.

USSR/Engineering - Meters, Frequency
Instruments

Sep 49

"Apparatus for Checking Frequency Meters Using Radio
Station Carrier Frequencies," Yu. M. El'kind, Cand
Tech Sci, TsNIEL MES (Cen Sci Res Elec Eng Lab, Min
of Elec Power Plants), 5 pp

"Elektrichestvo" No 9

Discusses results of work of TsNIEL MES in creating
new standard setup for checking and calibrating
frequency measuring instruments. Indicates possible
use of radio station carrier frequencies as
standard. Gives data on stability of radio station
carrier frequencies, and analysis of accuracy and
sensitivity of the measuring method adopted.

153T38

EL'KIND, YU. M.

Chastotomery i ustanovki dlia ikh poverki. Moskva, Gostekhizdat, 1950. 182,
(2) p. illus.

Bibliography: p. 182-(183)

Frequency meters and devices for checking them.

DLC: TK381.E4

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of
Congress, 1953.

PA 161T13

EL'KIND, YU. M.

USSR/Electricity - Logometers, Magneto-
electric
Meters, Current Ratio

Feb 50

"Comparative Data of Magnetolectric Logometers,"
Yu. M. El'kind, Cand Tech Sci, 4 pp

"Elek Stants" No 2

Logometers (current ratio meters) are widely used in power stations, e.g., to measure temperature and resistances, since their readings are almost unaffected by supply voltage. Describes various types of USSR logometers and tests made on them in the Min of Elec Power Plants Lab.

161T13

SA

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621.317.761.009.6
2218. Testing of frequency-meters by use of a radio-transmitted 1 Mc/s frequency. Yu. M. Etkind, *Elektrichesk, No. 1, 43-7 (Jan., 1951) In Russian.*

Results of development work on a prototype frequency meter for commercial frequencies using a standard 1 Mc/s frequency. The method of comparison is based on stationary Lissajous figures. The unit used for the tests consists of a superheterodyne receiver, separate amplifier, oscillograph, h.f. generator, the frequency meter and a standard generator for calibrating and checking purposes. The results given and tabulated refer to the transmitters of most of the big power stations of the European part of the U.S.S.R. Amplitude instability could be eliminated at the receiver by providing it with a voltage stabilizer on the output side. The comparison of the radio-transmitted standard frequency with the local standard generator was made by the method of calculating the

"slip" frequency from the cyclic frequency of rotation of the Lissajous figures. The accuracy of calibration was $\pm (2-3) \times 10^{-3}\%$. R. P. KRAUS

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

FROM: 510-03199

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EL 'KIND, Yu. M.

PA 196T50

USSR/Electricity - Generators
Synchronization Sep 51

"A Frequency-Difference Relay of the Induction Type for Synchronization of Generators," M. G. Portnov, Eng'r, Yu. M. Kl'kind, TsNIIEL (Gen. Sci Res Elec Eng Lab), Min of Elec Power Stations USSR

"Elektrichestvo" No 9, pp 58-63

Gives operating requirements for a frequency-difference relay for automatic paralleling of generators. A frequency-difference relay (type

196T50

USSR/Electricity - Generators (Contd) Sep 51

IRCh) was developed in the TsNIIEL. Describes the relay, gives the eq governing its operation, and presents amplitude characteristics and results of tests. Submitted 27 Feb 51.

196T50

EL'KIND, Yu. M.

"Megameters and Some Peculiarities of Their Operation," Rab. energ., 1, No.1,
1952

1. EL'KIND, Yu. M.
2. USSR (600)
4. Electric Measurements
7. Frequency measuring apparatus and the characteristics of its use, Rab. energ., 2, No. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

EL'KIND, Yu. M.

Dynamos

Automatic Self-synchronisation of hydro
generators with lowered acceleration
characteristics. Elek. sta. 23 No.
3:40-44 Mr '52.

Kand, Tekhn, Nauk

Monthly List of Russian Accessions, Library of
Congress, July 1952. Unclassified.

AID P - 599

Subject : USSR/Electricity

Card 1/1 Pub. 27 - 3/35

Author : El'kind, Yu. M., Kand. of Tech. Sci.

Title : ~~Automatic synchronization devices for parallel switching of synchronous generators~~
Automatic synchronization devices for parallel switching of synchronous generators

Periodical : Elektrichestvo, 8, 16-21, Ag 1954

Abstract : Operational experience has demonstrated that the performance of standard remote or hand-operated automatic synchronization is reliable and entirely satisfactory. Some changes in standard connection diagrams are recommended by the author. 6 diagrams, 3 tables, 8 Russian references (1949-1953).

Institution : TsNIEL MES SSSR (Central Scientific Electric Laboratory of the Ministry of Electric Power Plants of the U.S.S.R.)

Submitted : Ap 14, 1954

AID P - 1040

Subject : USSR/Electricity

Card 1/1 Pub. 27 - 17/23

Author : El'kind, Yu. M., Kand. of Tech. Sci.

Title : In defense of the oscillating frequency meter.
(Observations and Letters)

Periodical : Elektrichestvo, 11, 90-91, N 1954

Abstract : This type of frequency meters has certain deficiencies as compared with the electromagnetic, ferrodynamic or other types. In particular, the oscillating meters exclude possibilities of registering measurements as all the other types do. They have, however, several very useful advantages and recent makes have a high degree of accuracy. The author considers their wider application as advisable.

Institution : None

Submitted : No date

EL'KIND, Yuliy Markovich; KODKIND, I.I., redaktor; VORONIN, K.P., tekhnicheskiiy redaktor

[Circuits and systems for selfsynchronization of synchronous machinery]
Skhemy i ustroistva dlia samosinkhronizatsii sinkhronnykh mashin.
Moskva, Gos.energ. izd-vo, 1956. 207 p. (MIRA 9:12)
(Electric machinery)

8(6)

SOV/112-59-4-7003

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 4, p 82 (USSR)

AUTHOR: El'kind, Yu. M.

TITLE: Methods and Results of an Experimental Investigation of Mechanical Stresses in the Steel Structure of a Hydroelectric Generator

PERIODICAL: V sb.: Eksperim izuch. mekhan. usiliy v gidrogeneratorakh. M.-L., Gosenergoizdat, 1957, pp 5-44

ABSTRACT: Methodological hints are given for conducting experimental investigations of mechanical stresses in the steelwork of hydroelectric generators.

SOV/112-59-4-7003

Methods and Results of an Experimental Investigation of Mechanical Stresses

determined. A spread of maximum vibration values and mechanical stresses associated with the self-synchronizing experiments is due to the difference between the rotor-pole and stator-butt disposition at the instant of switching on. In one of the generators, a resonant rise of vibration amplitudes was observed when the field-discharge automatic device operated; this can be explained by the fact that the natural frequency of the active-steel-shelf-stator-rim system was below 100 cps which was due to unsatisfactory pressing and butt-joining the stator active steel. Results of an investigation of additional stresses appearing in the stator steel members are also presented.

V.P.A.

Card 2/2

AUTHOR: Biber, L. A., ~~El'kind, Yu. M.~~, Candidate of Technical Sciences SOV/105-58-10-16/28

TITLE: On Electromagnetic Oscillographs With Frame-Type Galvanometers (O magnitoelektricheskikh ostsillografakh s ramochnymi gal'vanometrami)

PERIODICAL: Elektrichestvo, 1958, Nr 10, pp 70 - 72 (USSR)

ABSTRACT: The manipulation of frame-type galvanometers with electromagnetic damping presents certain difficulties, which are, however, compensated by increasing the damping stability. This again permits to compute their measuring accuracy. At present rather positive experience has been gathered over a long period of time in the operation of oscillographs with frame-type galvanometers. The small dimensions exhibited by frame-type oscillographs make possible the construction of the multi-channel oscillographs, as for example the 9- and 12-channel oscillograph types POB-9 and POB-12 (Institut fiziki zemli AN SSSR (Institute of Earth Physics, AS USSR)) as well as the 24-channel oscillograph type OT-24 (Works "Geofizika"). In this paper some additional applications which are offered by the electromagnetic

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On Electromagnetic Oscillographs With Frame-Type
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multi-channel oscillographs are discussed: 1) The high sensitivity of frame-type oscillographs leads to a considerable widening of the scope of directly oscillographing small currents. Sometimes no special electronic or photoelectronic amplifiers are required. The oscillographing of rotational speeds with the help of unipolar tachymetric generators, the voltage of which is recorded directly by the highly sensitive frame-tape galvanometer, is greatly facilitated (Ref 4). If magnetic "point" marks are applied to the surface of the shaft, the control of the speed becomes very simple. 2) Multi-channel oscillographs offer possibilities of simultaneously oscillographing a great number of electric and non-electric quantities. 3) The high sensitivity of the frame-type galvanometer allows an aperiodic damping operation. Thus operated it can simultaneously integrate and measure (Refs 5,6). In the VNIIE MES in collaboration with the Institut fiziki zemli AN SSSR (Institute of Earth Physics, AS USSR) vibrograph types VDTs¹, (Refs 7,8) were developed to

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record vibrations in the frequency range from 1 to 200 cy with an amplification factor of 500. This device can be used, owing to its wide frequency range, in the investigation of the vibrations of waterwheel and turbine aggregates in transient operation. Another example for the utilization of aperiodically damped frame-type galvanometers is the oscillographing of short-circuit currents. If an air-transformer is used in this procedure, the reliability of the method is greatly increased and simplified. There are 4 figures and 8 references.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut elektro-energetiki Ministerstva elektrostantsiy (VNIIE MES)
(All-Union Scientific Research Institute of Electric Power Engineering of the Ministry of Power Stations)

SUBMITTED: October 21, 1957
Card 3/4

BIER, L.A., inzh.; LEGKIY, G.K., master; EL'KIND, Yu.M., kand.tekhn.nank
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Device for checking vibrations of turbine units and turbine pumps.

Elek. sta. 29 no.7:41-43 JI '58.

(MIRA 11:10)

(Turbines--Vibration)

KARTASHKIN, B.A., inzh.; ML'KIND, Yu.M., kand.tekhn.nauk

Spallation of rotor-spoke shoulders in a hydraulic generator.
Elek.sta. 31 no.1:41-46 Ja '60. (MIRA 13:5)
(Turbogenerators)

EL'KIND, Yuliy Markovich; BIEER, L.A., red.; LARIONOV, G.Ye., tekhn.
red.

[Experimental study of electromechanical processes in synchronous machinery; methods for measuring and oscillographic recording of electric currents, power, vibrations, and deformations] Eksperimental'noe issledovanie elektromekhanicheskikh protsessov v sinkhronnykh mashinakh; metody izmereniia i ostsillografirovaniia tokov, moshchnosti, vibratsii i deformatsii. Moskva, Gos. energ.izd-vo, 1961. 230 p. (MIRA 15:2)
(Electric machinery, Synchronous)

EL'KIND, Yu.M.

Errors of oscillographic recording of short-circuit currents using
a differentiating transformer and an integrating galvanometer.
Elektrichestvo no.12:40-45 D '62. (MIRA 15:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut elektroenergetiki.
(ELECTRIC NETWORKS) (ELECTRONIC MEASUREMENTS)

EL'KIND, Yu.M., kand.tekhn.nauk

New diagram for oscillographic recording of short-circuit currents.
Trudy VNIIE no.15:204-210 '63.

Conversion of the frequency characteristics of oscillographic
galvanometers. Ibid.:211-219 '63. (MIRA 16:12)

FERNANDES, Kh.Prado, inz.; EL'KIND, Yu.M., kand.tekhn.nauk

Strength of compounded insulation subject to periodic shock
loads. Vest. elektroprom. 34 no.5:56-60 My '63. (MIRA 16:5)
(Turbogenerators--Windings)

FERNANDES, Kh. Prado, inzh.; EL'KIND, Yu.M., kand. tekhn. nauk

Effect of the residual voltage of a generator on the vibration
of the stator during the self-synchronization process. Elek.
stat. 35 no.1:86-88 Ja '64. (MIRA 17:6)

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Analysis of the dynamic errors of a vibrograph with galvanometric recording. Elektrichestvo no.10:74-77 O '64. (MIRA 17:12)

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